

Urbemis 2007 Version 9.2.4

Combined Summer Emissions Reports (Pounds/Day)

File Name: C:\Jeremy 7-31-11\Orange County Tower Install\orange county tower install.urb924

Project Name: Orange County Tower Installation

Project Location: Orange County

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

Summary Report:

CONSTRUCTION EMISSION ESTIMATES

	ROG	NOX	CO	SO2	PM10 Dust	PM10 Exhaust	PM10	PM2.5 Dust	PM2.5 Exhaust	PM2.5	CO2
2012 TOTALS (lbs/day unmitigated)	0.97	9.54	3.95	0.00	0.01	0.33	0.33	0.00	0.31	0.31	1,588.31

Construction Unmitigated Detail Report:

CONSTRUCTION EMISSION ESTIMATES Summer Pounds Per Day, Unmitigated

	ROG	NOX	CO	SO2	PM10 Dust	PM10 Exhaust	PM10	PM2.5 Dust	PM2.5 Exhaust	PM2.5	CO2
Time Slice 4/2/2012-4/2/2012 Active Days: 1	<u>0.97</u>	<u>9.54</u>	<u>3.95</u>	<u>0.00</u>	<u>0.01</u>	0.32	0.33	<u>0.00</u>	0.29	0.30	<u>1,588.31</u>
Trenching 04/01/2012-04/02/2012	0.97	9.54	3.95	0.00	0.01	0.32	0.33	0.00	0.29	0.30	1,588.31
Trenching Off Road Diesel	0.95	9.49	3.10	0.00	0.00	0.32	0.32	0.00	0.29	0.29	1,463.92
Trenching Worker Trips	0.03	0.05	0.85	0.00	0.01	0.00	0.01	0.00	0.00	0.00	124.39

12/16/2011 2:22:49 PM

Time Slice 4/3/2012-4/4/2012 Active Days: 2	0.83	7.60	3.04	0.00	0.00	0.33	0.33	0.00	0.31	0.31	873.86
Building 04/03/2012-04/04/2012	0.83	7.60	3.04	0.00	0.00	0.33	0.33	0.00	0.31	0.31	873.86
Building Off Road Diesel	0.81	7.40	2.73	0.00	0.00	0.32	0.32	0.00	0.30	0.30	807.21
Building Vendor Trips	0.02	0.18	0.13	0.00	0.00	0.01	0.01	0.00	0.01	0.01	41.62
Building Worker Trips	0.01	0.01	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.03

Phase Assumptions

Phase: Trenching 4/1/2012 - 4/2/2012 - Drill Tower Footing

Off-Road Equipment:

- 1 Bore/Drill Rigs (291 hp) operating at a 0.75 load factor for 4 hours per day
- 1 Cement and Mortar Mixers (10 hp) operating at a 0.56 load factor for 4 hours per day
- 1 Other General Industrial Equipment (238 hp) operating at a 0.51 load factor for 8 hours per day
- 1 Plate Compactors (8 hp) operating at a 0.43 load factor for 4 hours per day

Phase: Building Construction 4/3/2012 - 4/4/2012 - Construct the Tower

Off-Road Equipment:

- 1 Aerial Lifts (60 hp) operating at a 0.46 load factor for 8 hours per day
- 1 Cranes (399 hp) operating at a 0.43 load factor for 4 hours per day
- 1 Other General Industrial Equipment (238 hp) operating at a 0.51 load factor for 4 hours per day